**In the Specification:**

Please replace the paragraph beginning at page 8, line 28 and ending at page 9, line 8 with the following amended paragraph:

An embodiment of a complex filter $28_1$, $28_2$, ..... $28_n$ is illustrated in figure 3. The complex filter 35 includes a channel $36_I$ for the in-phase input I and a channel $36_Q$ for the quadrature phase input Q. Included in channels $36_I$ and $36_Q$ are adders $37_I$ and $37_Q$ and integrators $38_I$ and $38_Q$ respectively. In addition to the in-phase signal I and quadrature signal Q being applied to the adders ~~36~~$37_I$ and ~~36~~$37_Q$ respectively, a feedback with coefficient $\alpha$ which may be any real number is applied to each adder ~~36~~$37_I$ and ~~36~~$37_Q$ respectively. As well, a feedback with negative coefficient $\beta$ is applied from the output of integrator $38_Q$ to adder ~~36~~$37_I$ while a feedback with positive coefficient $\beta$ is applied from the output of integrator $38_I$ to adder ~~36~~$37_Q$. Coefficient $\beta$ may also be any real number. The selection of $\alpha$, $\beta$ and $\omega_0$ will determine the bandwidth and centre frequency of the filter 35. Also, depending on the values of $\alpha$, $\beta$ and $\omega_0$ the positive and negative frequencies will experience different attenuations which is desired for an LIF device.